

SUBMISSION UNDER MPEP 609 D Page 1 of 1	Application Number	N/A
	Filing Date	4 March 2002
	First Named Inventor	DUBIN
	Group Art Unit	1646
	Examiner Name	MERTZ, P.
	Attorney Docket Number	ORT-1601

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Name of Patentee or Applicant of Cited Document	U.S. Patent Document		Pages, Columns, Lines, where relevant passages or relevant figures appear
			Number	Kind Code ² (if known)	

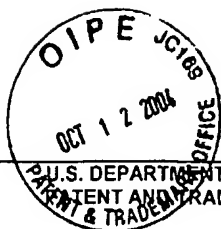
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Name of Patentee or Applicant of Cited Document	Foreign Patent Document			Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
			Office ³	Number ⁴	Kind Code ⁵		
ML		SMITHKLINE BEECHAM PLC		WO 99/37765			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
ML		Bevan et al., "Capsazepine: A Competitive Antagonist of the Sensory Neurone Excitant Capsaicin", <i>Br. J. Pharmacol.</i> , (1992) 107:544-552.	
		S. Bevan and J. Szolcsanyi, "Sensory Neuron-Specific Actions of Capsaicin: Mechanisms and Applications", <i>TIPS</i> (August, 1990) Vol. 11.	
		Caterina et al., "A Capsaicin-Receptor Homologue with a High Threshold for Noxious Heat", <i>Letters to Nature</i> , (1999) 398.	
		P. D. Gupta and K. Pushkala, "Importance of the Role of Calcium in Programmed Cell Death: A Review", <i>Cytobios</i> (1999) 99:83-95.	
		Leeman et al., "Substance P and Related Peptides: Cellular and Molecular Physiology", <i>Ann. N.Y. Academy of Sciences</i> , (1991) 632.	
		B. Minke and Z. Selinger, "The Roles of TRP and Calcium in Regulating Photoreceptor Function in <i>Drosophila</i> ", <i>Neurobiology</i> (1996) 6:459-466.	
		Oh et al., "Capsaicin Activates a Nonselective Cation Channel in Cultured Neonatal Rat Dorsal Root Ganglion Neurons", <i>J. Neurosciences</i> , (1996) 16(5): 1659-1667.	
		M. D. Szallasi, "ARPAD: Autoradiographic Visualization and Pharmacological Characterization of Vanilloid (Capsaicin) Receptors in Several Species Including Man", <i>ACTA Physiologica Scandinavica</i> , (1995) Supplement. 629, Stockholm, Sweden.	
		J. Szolcsanyi, "Capsaicin-Sensitive Sensory Nerve Terminals with Local and Systemic Efferent Functions: Facts and Scopes of an Unorthodox Neuroregulatory Mechanism", <i>Progress in Brain Research</i> , (1996) 113.	
		Tominaga et al., "The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli", <i>Neuron</i> (1998) 21:531-543.	
ML		Wood et al., "Capsaicin-Induced Ion Fluxes in Dorsal Root Ganglion Cells in Culture", <i>J. Neuroscience</i> (1988) 8(9): 3206-3220.	

Examiner Signature	<i>[Signature]</i>	Date Considered	12/15/04
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SERIAL NO.

ORT-1601

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APPLICANT

Dubin et al.

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March 4, 2002

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	INVENTORS	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ML</i>	US	6 4 5 5 2 7 8	Sept. 24, 2002	Dubin et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY/REGION	CLASS	SUBCLASS	TRANSLATION (if applicable)
<i>ML</i>	WO	9 9 3 7 7 6 5	July 29, 1999	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ML</i>		Barry, "JPCalc, A Software Package For Calculating Liquid Junction Potential Corrections In Patch-Clamp, Intracellular, Epithelial And Bilayer Measurements And For Correcting Junction Potential Measurements", <i>J. Neurosci. Methods</i> , Vol. 51, pp. 107-116 (1994).
		Blackstone et al, "Protein Targeting And Calcium Signaling Microdomains In Neuronal Cells", <i>Cell Calcium</i> , Vol. 26(5), pp. 181-192 (1999).
		Caterina et al., "The Capsaicin Receptor: A Heat-Activated Ion Channel In The Pain Pathway", <i>Nature</i> , Vol. 389, pp. 816-824 (1997).
		Dubin et al., "Lysophosphatidic Acid Stimulates Neurotransmitter-Like Conductance Changes That Precede GABA And L-glutamate In Early, Presumptive Cortical Neuroblasts", <i>J. Neurosci.</i> , Vol. 19(4), pp. 1371-1381 (1999).
		Ecker et al., "Increasing Gene Expression In Yeast By Fusion To Ubiquitin", <i>J. Biol. Chem.</i> , Vol. 264(13), pp. 7715-7719 (1989).
		Horowitz et al., "Synthesis And Assembly Of Functional Mammalian Na,K-ATPase In Yeast", <i>J. Biol. Chem.</i> , Vol. 265(8), pp. 4189-4192 (1990).
		Jacobson et al., "Expression And Secretion Of Biologically Active Echistatin In <i>Saccharomyces cerevisiae</i> ", <i>Gene</i> , Vol. 85, pp. 511-516 (1989).
		Kaufman et al., "Amplification And Expression Of Sequences Cotransfected With A Modular Dihydrofolate Reductase Complementary DNA Gene", <i>J. Mol. Biol.</i> , Vol. 159, pp. 601-621 (1982).
<i>ML</i>		Kitts et al., "Linearization Of Baculovirus DNA Enhances The Recovery Of Recombinant Virus Expression Vectors", <i>Nucleic Acids Res.</i> , Vol. 18(19), pp. 5667-5672 (1990).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY/REGION	CLASS	SUBCLASS	TRANSLATION (if applicable)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ML		Kohler et al., "Continuous Cultures Of Fused Cells Secreting Antibody Of Predefined Specificity", <i>Nature</i> , Vol. 256, pp. 495-497 (1975).
		Lu et al., "A DNA Deletion Associated With Multiple Impaired Transcripts In The Visual Mutant TRP", <i>Invest. Ophthalmol. Visual Sci.</i> , Vol. 28, pp. 2092-2095 (1987).
		Luo et al., "Gene Expression Profiles Of Laser-Captured Adjacent Neuronal Subtypes", <i>Nat. Med.</i> , Vol. 5(1), pp. 117-121 (1999).
		McDonnell et al., "Reconstitution Of The Vitamin D-Responsive Osteocalcin Transcription Unit In <i>Saccharomyces cerevisiae</i> ", <i>Mol. Cell. Biol.</i> , Vol. 9(8), pp. 3517-3523 (1989).
		Mikayama et al., "Molecular Cloning And Functional Expression Of A cDNA Encoding Glycosylation-Inhibiting Factor", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, pp. 10056-10060 (1993).
		Minke et al., "The Roles Of trp And Calcium In Regulating Photoreceptor Function In <i>Drosophila</i> ", <i>Curr. Opin. Neurobiol.</i> , Vol. 6(4), pp. 459-466 (1996).
		Riehl-Bellon et al., "Purification And Biochemical Characterization Of Recombinant Hirudin Produced By <i>Saccharomyces cerevisiae</i> ", <i>Biochemistry</i> , Vol. 28, pp. 2941-2949 (1989).
		Rinas et al., "Characterization of Recombinant Factor XIIIa Produced In <i>Saccharomyces Cerevisiae</i> ", <i>Biotechnology</i> , Vol. 8, pp. 543-545 (1990).
		Sabin et al., "High-Level Expression And In Vivo Processing Of Chimeric Ubiquitin Fusion Proteins In <i>Saccharomyces Cerevisiae</i> ", <i>Biotechnology</i> , Vol. 7, pp. 705-709 (1989).
		Siekevitz et al., "Activation Of The HIV-1 LTR By T Cell Mitogens And The Trans-Activator Protein Of HTLV-I", <i>Science</i> , Vol. 238(4833), pp. 1575-1578 (1987).
		Sleep et al., "The Secretion Of Human Serum Albumin From The Yeast <i>Saccharomyces Cerevisiae</i> Using Five Different Leader Sequences", <i>Biotechnology</i> , Vol. 8, pp. 42-46 (1990).
		Suzuki et al., "Cloning Of A Stretch-Inhibitable Nonselective Cation Channel", <i>J. Biol. Chem.</i> , Vol. 274(10), pp. 6330-6335 (1999).
		Szolcsanyi, "Actions Of Capsaicin On Sensory Receptors", <i>Capsaicin In The Study Of Pain</i> (Wood, ed.), Academic Press, London, UK, pp. 1-26 (1993).
		Szolcsanyi, "Resiniferatoxin. An Ultrapotent Neurotoxin Of Capsaicin-Sensitive Primary Afferent Neurons", <i>Ann. N. Y. Acad. Sci.</i> , Vol. 632, pp. 473-475 (1991).
ML		Van Haasteren et al., "Calcium Signaling And Gene Expression", <i>J. Recept. Signal Transduction Res.</i> , Vol. 19(1-4), pp. 481-492 (1999).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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DOCUMENT NUMBER	DATE	COUNTRY/REGION	CLASS	SUBCLASS	TRANSLATION (if applicable)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mL</i>		Voet et al., <u>Biochemistry</u> , John Wiley & Sons, pp. 126-128 and 228-234 (1990).
<i>mL</i>		Wigler et al., "Transfer Of Purified Herpes Virus Thymidine Kinase Gene To Cultured Mouse Cells", <u>Cell</u> , Vol. 11, pp. 223-232 (1977).
<i>mL</i>		Yamamoto et al., "Important Role Of The Proline Residue In The Signal Sequence That Directs The Secretion Of Human Lysozyme In <u>Saccharomyces cerevisiae</u> ", <u>Biochemistry</u> , Vol. 28, pp. 2728-2732 (1989).

EXAMINER

DATE CONSIDERED

12/15/04

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